NetWise
Gigabit Ethernet Switch
16/24 ports

Product Overview

The **NetWise** is an unmanaged rack-mountable Gigabit Ethernet Switch, specially designed for small to medium businesses that require high performance network connectivity and smooth data transfer. It features 16/24 UTP/STP RJ-45 ports with auto MDI/MDIX, which can operate at 10/100/1000Mbps. Gigabit ports can also be used as normal or uplink ports to connect a backbone network. By integrating a NetWise switch into your network, the speed and network efficiency willbe significantly enhanced. Its standard 19-inch rack-mountablecase along with its improved transmission rates make it the ideal choice for small and medium sized networks.

16 Port
Gigabit Switch
ASBEL164U

24 Port
Gigabit Switch
ASBEL244U

Key Features

- Layer 2 Ethernet switch
- Complies with IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE 802.3x standards
- 16/24 RJ-45 ports operating at 10/100/1000Mbps, supporting 802.3 NWAY auto-negotiation, duplex mode and flow control
- Supports IEEE802.3x flow control for full-duplex, and backpressure flow control for half-duplex
- Each RJ-45 port supports auto-MDI/MDIX selection for easy integration into a network
- Features store- and- forward switching method
- Supports MAC address auto-learning and auto-aging functions
- 6000/8000 MAC address table
- Supports up to 32Gbps/48Gbps backplane bandwidth
- Easy-to-understand LEDs display real-time traffic status to monitor and diagnose the network
- Built-in power supply for 100-240 volts for worldwide compatibility
- Standard 19-inch rack-mount case

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Technical Specifications

Ethernet Standards

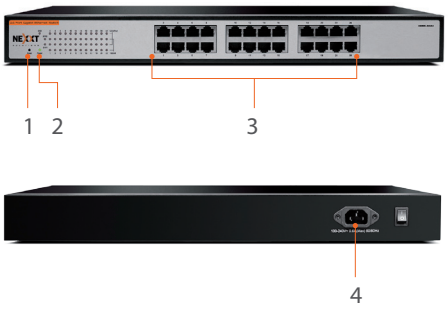
Compatible with:
IEEE802.3
IEEE802.3u
IEEE802.3ab
IEEE802.3x Flow control

Front Panel

The **NetWise** switches include the following main components:
1. Reset button
2. Status indicators: Power / Ports
3. 10/100/100Mbps network ports

Back Panel

4. AC power socket



Status indicators

LED indicators provide information about the connection and Link/ACT status of the switch. They also facilitate activity monitoring and troubleshooting the performance of the network.

LED Indicator	Color	Status	Description
POWER	Orange	ON	The LED comes on when the switch is properly connected
	- -	OFF	If this indicator is off, make sure the power adapter is plugged correctly and that the power button on the switch is turned on
1000Mbps	Orange	ON	The port is connected to a 1000Mbps Ethernet station
	- -	OFF	The port is not connected to a 1000Mbps Ethernet station
LINK/ACT	Orange	ON	When a device is connected to a port of the switch, the LINK/ACT lights up. If only the LINK/ACT indicator is on but all of the other indicators are off, it means that the connection rate of this port is 10/100 Mbps
	Orange	Blinking	The switch is transmitting or receiving data
	- -	OFF	There is no connection at the corresponding port

Specifications

Features	
Standard	IEEE802.3 IEEE802.3u, IEEE802.3ab IEEE802.3x
Protocol	CSMA/CD Ethernet
Data Transmission Rate	Gigabit Ethernet: 2000Mbps (Full-duplex)
	Fast Ethernet: 100Mbps (Half-duplex)
	200Mbps (Full-duplex)
Topological Structure	Star
Network Cables	10Base-T:Cat.3 UTP or above (100m)
	100Base-TX: Cat.5 UTP /STP (100m)
	1000Base-T: Cat.5e UTP/STP or above (100m)
Port Quantity	16/24 10/100/1000Mbps RJ-45 ports
Performance	
Transmission Method	Store-and-forward
MAC Address Table	6000/8000 entries
Packet Filtering / Forwarding Rate	14880pps (10Mbps) per port
	148800pps (100Mbps) per port
	1488095pps (1000Mbps) per port
MAC Address Learning	Auto-learning, auto-aging
Backplane Bandwidth	32Gbps/48Gbps
Physical and Environmental	
AC Input Range	100-240V ~ 0.6A (Max) 50/60Hz
Power Consumption	25W/30W
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 70°C
Storage Humidity	10% ~ 90%RH (non- condensing)
Operating Humidity	5% ~ 90% RH (non- condensing)
Dissipation method	Fan